

GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE SPECIAL PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION AND THE SPECIAL PROVISIONS FOR SYCAMORE HIGHLANDS CTD NO. 90-1.
- THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- ALL FLAGGED ELEVATIONS IN THE PLAN VIEW SHALL BE STAKED IN THE FIELD BY THE CITY.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
- CONTRACTOR IS TO VERIFY EXISTING GAS, SEWER AND WATER ELEVATIONS IN SYCAMORE CANYON BLVD. PRIOR TO CONSTRUCTION.
- BEFORE THE RIP RAP AT THE OUTLET OF ANY DRAINAGE STRUCTURE IS ACCEPTED, IT SHALL BE TESTED UNDER FLOWS AS CLOSE AS POSSIBLE TO DESIGN CONDITIONS WITH WATER OBTAINED FROM FIRE HYDRANTS IN THE IMMEDIATE AREA.
- PIPE BEDDING TO BE CASE 1 PER CITY OF RIVERSIDE STD. NO. 492.
- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

ELECTRIC - CITY OF RIVERSIDE
GAS - SOUTHERN CALIFORNIA GAS CO.
TELEPHONE - PACIFIC BELL

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

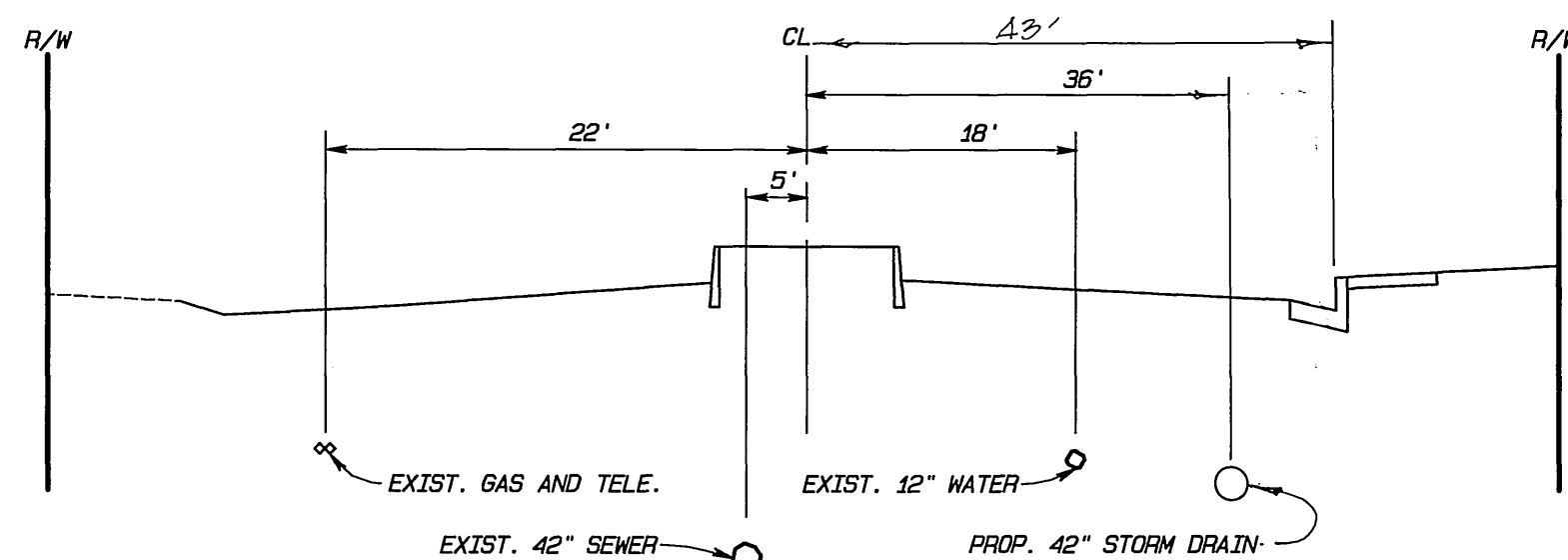
CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-227-2600 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.

THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNTS AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.

THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL SIDEWALKS, RAMPS, RAILS, CLEARANCES AND APPURTENANCES MEET OR EXCEED THE MOST STRINGENT REQUIREMENTS OF CITY, STATE OR FEDERAL GOVERNMENT FOR ACCESSIBILITY.

TRASH RACK NOTES

- MAXIMUM SIZE OF OUTLET TO BE USED WITH THIS RACK IS 48" PIPE OR 48" WIDE RCB. MAXIMUM LENGTH OF RACK LR IS 10'-0".
- LR CAN BE ADJUSTED SO THAT THE SLOPE OF THE RACK IS APPROXIMATELY 2 HORIZONTAL TO 1 VERTICAL.
- THE CONCRETE SUPPORT IS NOT NECESSARY IF THE EXISTING OR PROPOSED INLET STRUCTURE HAS ADEQUATE SUPPORT CUTOFF WALL BUT CAN BE INTEGRATED WITH ONE WHEN REQUIRED AT A PARTICULAR INSTALLATION.
- GALVANIZE ALL EXPOSED FERROUS PARTS AFTER FABRICATION.
- IF FIELD WELDS ARE NECESSARY, USE GALVICON, GALVALLOY OR AGENCY APPROVED EQUAL FOR COATING.
- ALL BOLTS SHALL BE 1/2" IN DIAMETER AND 7" IN LENGTH. ON REMOVABLE PORTION OF THE RACK, USE 300 SERIES STAINLESS STEEL BOLTS AND NUTS. FOR WINGWALL BOLTS FOR CASE A, AND WHERE HEADWALL AND WINGWALL ARE EXISTING, HILTI KWIK-BOLT OR EQUIVALENT CAN BE USED.



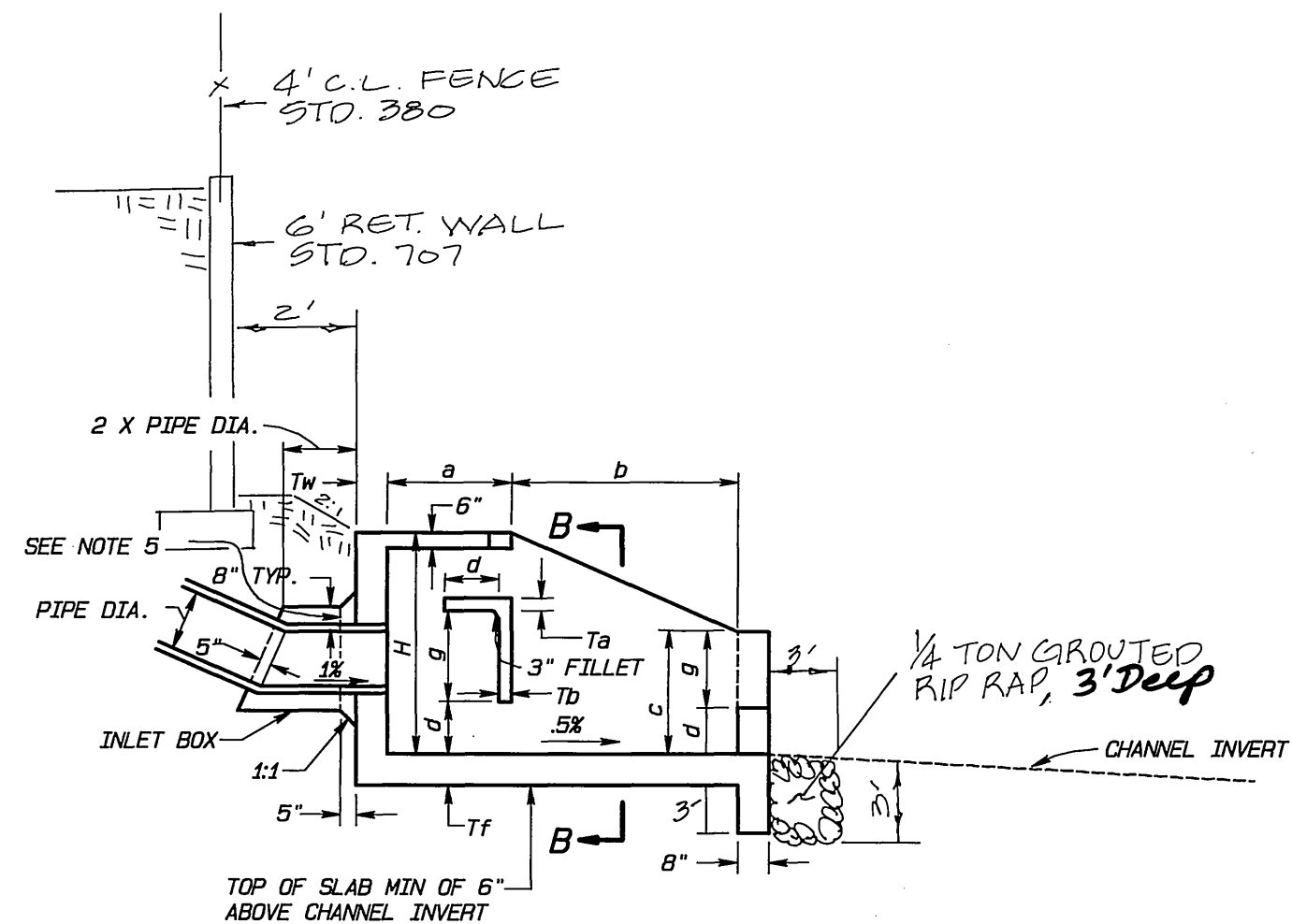
TYPICAL SECTION

NOT TO SCALE
T.I.=10.0
SYCAMORE CANYON BOULEVARD

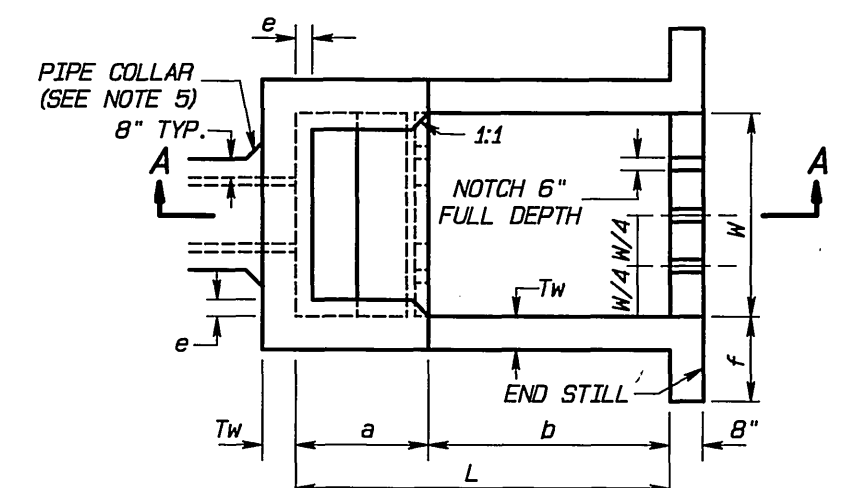
BENCH MARK:

P.K. NAIL AND CITY ENGINEER TAGGED "L1-C3" IN THE NORTHERLY CORNER OF A CATCH BASIN IN THE MEDIAN CURB OF SYCAMORE CANYON BLVD., 95 FEET SOUTHERLY OF FAIR ISLE DRIVE.

ELEV.: 1510.379

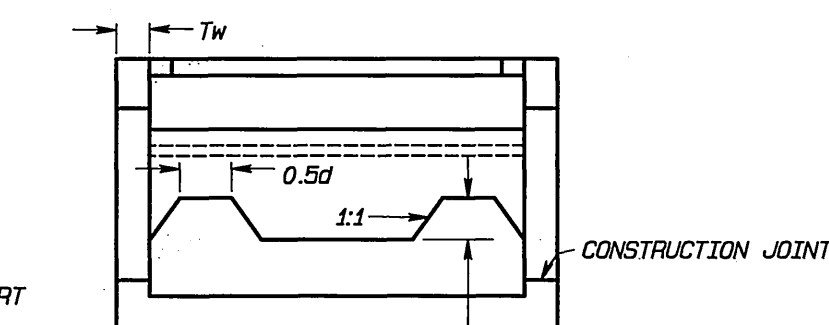


SECTION A-A



PLAN

PIPE DIA. (IN.)	48"
AREA (SQ. FT.)	5.62
MAX. Q. (CFS)	115
H	10'-0"
L	14'-0"
B	8'-0"
D	5'-0"
C	2'-0"
d	4'-0"
f	1'-0"
g	3'-0"
h	10'-0"
TD	9'-1/2"
TR	8'-0"



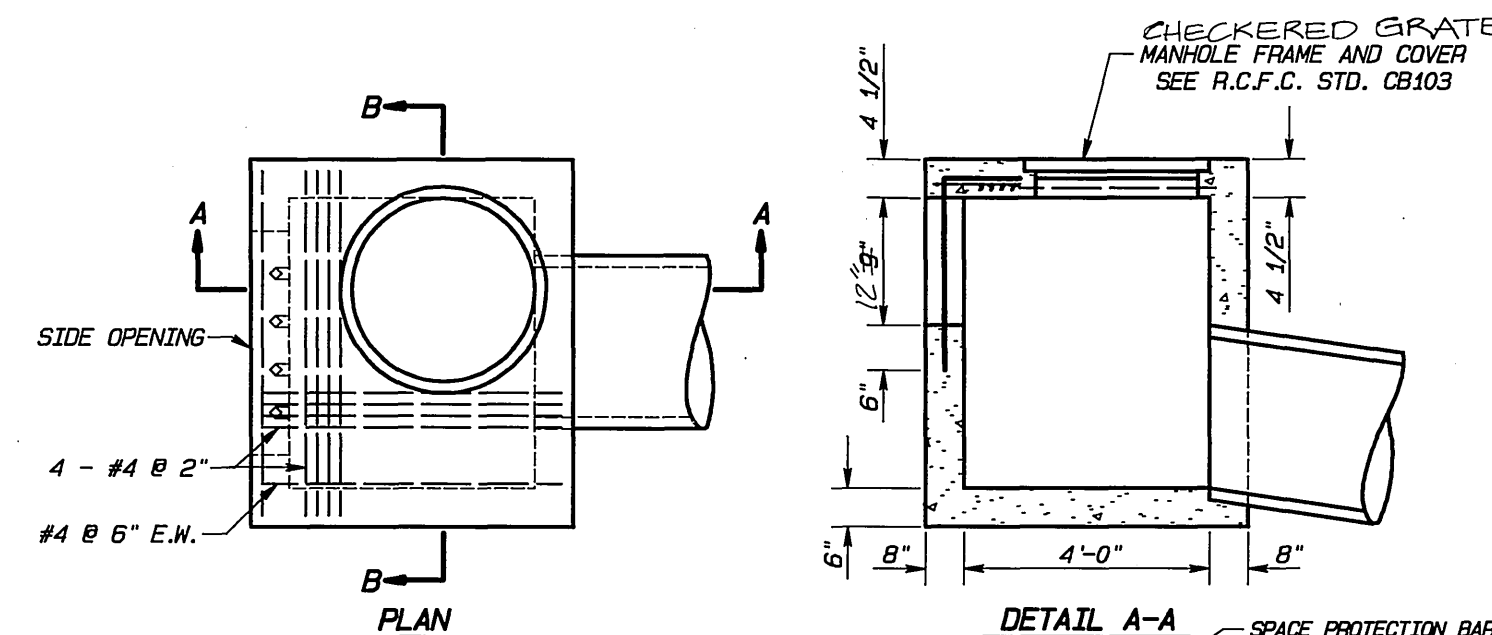
SECTION B-B

NOTES

- DESIGN: EQUIVALENT FLUID PRESSURE = 60 p.c.f.
MAXIMUM OUTLET VELOCITY = 35 f.p.s.
- CONCRETE SHALL BE 5600-C-3250.
- REINFORCING SHALL BE PER SAN DIEGO REGIONAL STD. DWG. D-43 AND SHALL CONFORM TO ASTM DESIGNATION A615 AND MAY BE GRADE 40 OR 60. REINFORCING SHALL BE PLACED WITH 2" CLEAR CONCRETE COVER UNLESS NOTED OTHERWISE. SPLICES SHALL NOT BE PERMITTED EXCEPT AS INDICATED ON THE PLANS.
- FOR PIPE GRADES NOT EXCEEDING 20% INLET BOX MAY BE OMITTED.
- IF INLET BOX IS OMITTED, CONSTRUCT PIPE COLLAR AS SHOWN.
- UNLESS NOTED OTHERWISE, ALL REINFORCING BAR BENDS SHALL BE FABRICATED WITH STANDARD HOOKS.

CONCRETE ENERGY DISSIPATOR

NOT TO SCALE



CONCRETE DROP INLET

NOT TO SCALE



CITY BUSINESS TAX CERTIFICATE NO. 005751 EXP. 12-31-99

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
3788 McCRAV STREET RIVERSIDE, CA 92506
(909) 686-1070

APPROVED BY: [Signature] DATE 8-30-99
R.C.E. NO. C44762

N.O. 98-0360 FOR: FAIRFIELD RESIDENTIAL F.B. 1997

WESTERN MUNICIPAL WATER DISTRICT
FOR NON-INTERFERENCE COMPLIANCE
SHEET 2

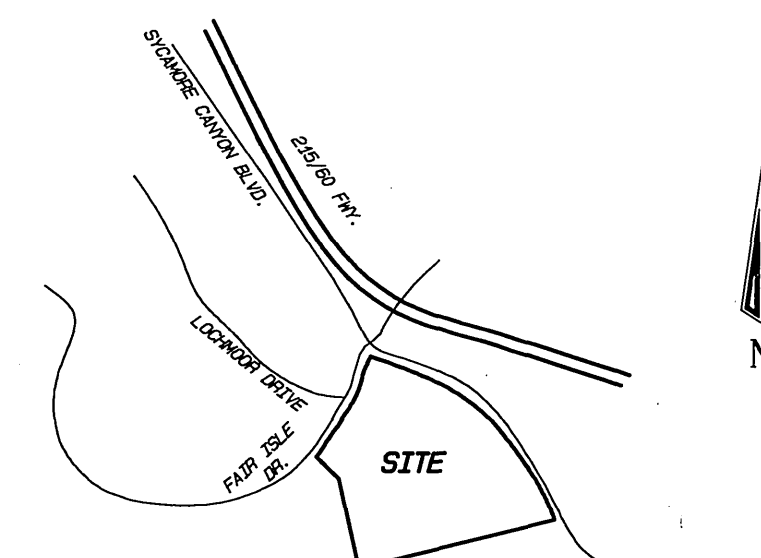
[Signature] 10/5/99
JEFFERSON SMIS, R.C.E. NO. 46212 DATE

NOTES

- STRUCTURAL CONCRETE SHALL BE CLASS "A".
- REINFORCING STEEL SHALL BE NO. 4 DEFORMED BARS. CLEARANCE SHALL BE 1 1/2" FROM BOTTOM OF SLAB.
- THE BASIN FLOOR SHALL BE GIVEN A TIGHT WOOD FLOAT FINISH. CURVATURE OF THE LIP AND SIDEWALLS AT THE SIDE OPENING SHALL NOT BE MADE BY PLASTERING. THE OUTLET PIPE SHALL BE TRIMMED TO FINAL SHAPE AND LENGTH BEFORE THE CONCRETE IS POURED.
- STEPS 3/4" PLAIN ROUND GALVANIZED STEEL STEPS SHALL BE INSTALLED 16" APART. THE TOP STEP SHALL BE 6" BELOW THE TOP SURFACE AND SHALL BE 2 1/8" CLEAR FROM THE WALL. ALL OTHER STEPS SHALL BE 4" CLEAR FROM THE WALL. ALL STEPS SHALL BE ANCHORED NOT LESS THAN 4" INTO THE WALL OF THE BASIN.
- PROTECTION BARS ARE PLAIN ROUND STEEL BARS 1" DIAMETER AND SHALL BE INSTALLED WITH BEDS IMBEDDED 6".
- ALL EXPOSED METAL PARTS SHALL BE GALVANIZED.
- SLOPE BOTTOM TO OUTLET FROM ALL DIRECTIONS.
- SEE R.C.F.C. STD. CB106 FOR WALL AND FLOOR STEEL REINFORCING.

INDEX MAP

SCALE: 1"=200'

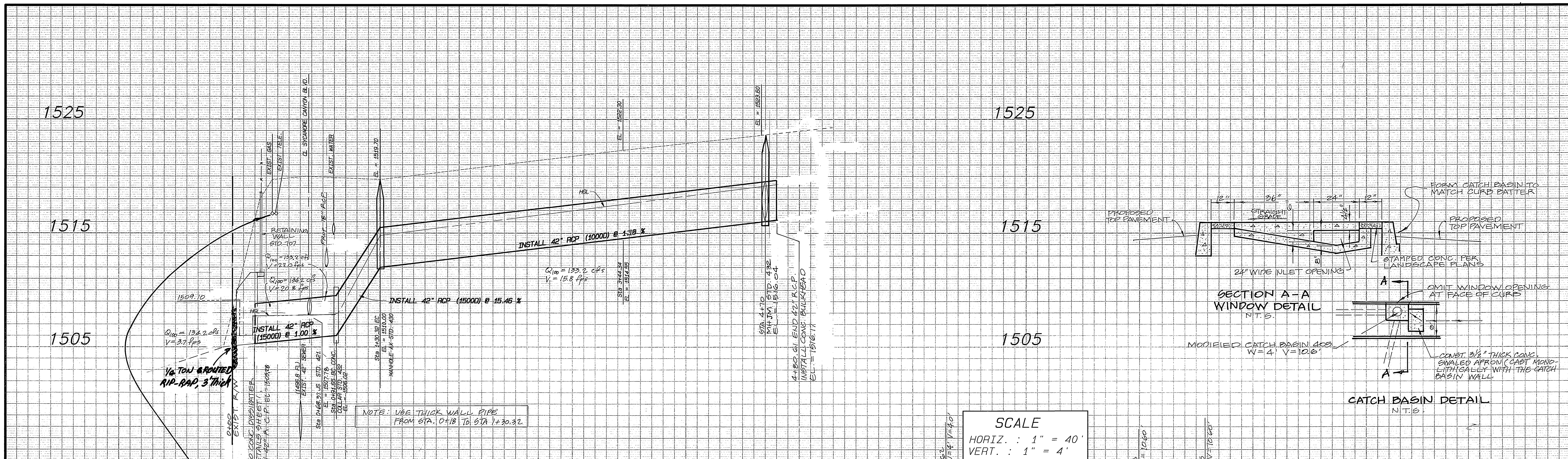


VICINITY MAP

NOT TO SCALE

 UNDERGROUND SERVICE ALERT CALL: TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS 3788 McCRAV STREET RIVERSIDE, CA 92506 (909) 686-1070 APPROVED BY: [Signature] DATE 8-30-99 R.C.E. NO. C44762	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT APPROVED BY: [Signature] BY DATE 9/1/99 PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DEPARTMENT STREET SERVICES P.W. ENG. MGR. [Signature] DATE 9-2-99	STORM DRAIN PLAN & PROFILE PARCEL MAP 28919 SYCAMORE CANYON BLVD. INDEX SHEET SCALE: AS SHOWN	ACCOUNT NO. 98-360 DRAWING NUMBER D-665 SHEET 1 OF 2 98-360D
	N.O. 98-0360 FOR: FAIRFIELD RESIDENTIAL F.B. 1997 DESIGNED BY: [Signature] CHECKED BY: [Signature] PLN CHK REF: [Signature]			

INDEXED 9-7-99 4H



EXISTING GASLINE TO BE PROTECTED IN PLACE. CONTRACTOR SHALL VERIFY LOCATION AND ELEV. PRIOR TO CONSTRUCTION.

PARCEL 2

PARCEL MAP NO. 20166
PARCEL 4

PARCEL 5

0+18 CONC. DISSIPATER PER DETAILS ON SHEET 1, BEGIN 42" R.C.P.

1/4 TON CRATED RIP-RAP 3" THICK

CONST. 6 FT. RET. WALL PER STD. 101 W/ 4 FT. C.C. BENCHER STD. 380

PARCEL 2

EXIST. 33" STORM DRAIN PER R-2511 TO BE REMOVED
FILL AS NECESSARY TO DRAIN

PROP. STREET IMPROVEMENTS PER R-3528

CONC. DROP INLET PER DETAILS SHOWN ON SHEET 1

PARCEL MAP NO. 24535

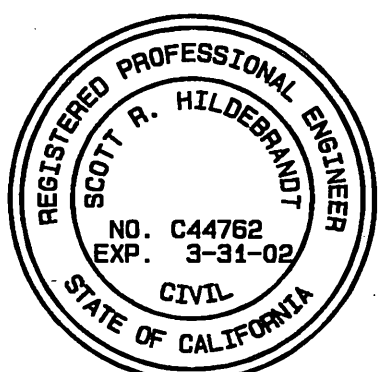
PRIVATE LATERAL INLET TO BE MAINTAINED BY PROPERTY OWNER

SYCAMORE CANYON BLVD.

CONSTRUCT 42" RCP STORM DRAIN D-LOAD AS SHOWN IN PROFILE

CURVE DATA

1. $\Delta = 49^\circ 14' 11''$ $R = 45.00'$ $L = 38.67'$ $T = 20.62'$
2. $\Delta = 07^\circ 32' 12''$ $R = 1035.00'$ $L = 136.27'$ $T = 68.24'$



CITY BUSINESS TAX CERTIFICATE NO. 005751 EXP. 12-31-99

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
3788 McCRAV STREET RIVERSIDE, CA 92506
(909) 686-1070

APPROVED BY: [Signature] DATE: 8-30-99
H.T.C. NO. C44762

N.O. 98-0360 FOR: FAIRFIELD RESIDENTIAL F.B. 1997

DESIGNED BY: [Signature] CHECKED BY: [Signature] PLN CHK REF: 1/2/99

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] BY DATE: 9-2-99
P.W. ENG. MGR.

STORM DRAIN PLAN & PROFILE

PARCEL MAP 28919
SYCAMORE CANYON BLVD.

SCALE: HORIZ. = 1" = 40' VERT. = 1" = 4'

ACCOUNT NO. 98-360
DRAWING NUMBER
D-665
SHEET 2 OF 2
98-360A

SOUTHERN CALIFORNIA GAS COMPANY
APPROVED BY: [Signature] DATE: 8/18/99
PACIFIC BELL
APPROVED BY: [Signature] DATE: 8/19/99
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT
OVERHEAD & UNDERGROUND
APPROVED BY: [Signature] DATE: 8-17-99

SCALE
HORIZ. : 1" = 40'
VERT. : 1" = 4'

PROFILE FOR C.B. STD. 405
@ STA. 37+88.62

PROFILE FOR C.B. STD. 405
@ STA. 41+67.32
NO SCALE

GRAPHIC SCALE 1" = 40'
0 40 80 120

UNDERGROUND SERVICE ALERT
CALL: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

INDEXED 9-7-99 4H